

RECEIVED
CENTRAL FAX CENTER
FEB 27 2008

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently amended) A method, comprising: ~~for automatic modeling a process control system, whereby~~
arranging elements of a user interface ~~are arranged~~ in a tree structure reflecting a topography of the elements in ~~[[the]]~~ a process control system~~[[,]]~~;
~~whereby each element is assigned to~~ assigning at least one input window to each element, the input window having a plurality of attributes ~~for setting and/or monitoring~~ corresponding to a target apparatus controllable in the process control system~~[[,]]~~;
~~whereby storing~~ a current arrangement of the tree structure ~~is stored~~ as a project~~[[,]]~~;
~~and storing~~ a list of all windows and the corresponding attributes opened during a current operation ~~as well as their attributes are stored as an operating session, to thereby~~ restore;
restoring a state of the elements based on the project and the operating session when loading the process control system ~~again~~; and
~~whereby the input windows for setting and monitoring the target apparatus provided by the elements in the project serve for at least one of displaying values measured by the target apparatus in the input window, diagnosis of the target apparatus and parameterizing of the target apparatus.~~
2. (Currently amended) The method according to claim 1, further comprising storing ~~whereby a handling software is used to store the tree structure as well as the list of windows and their attributes, whereby the handling software further stores a position of the input windows during the current operation.~~
3. (Currently amended) The method according to claim ~~[[2]]~~ 1, further comprising storing ~~whereby the handling software stores~~ a communication status, indicating an online or offline status, ~~respectively, for storing the state of the elements.~~

4. (Currently amended) The method according to claim [[2]] 1, further comprising storing ~~whereby the handling software for storing the state of the elements stores~~ a state of the associated user interface of the respective input windows.
5. (Currently amended) The method according to claim 1, ~~whereby~~ wherein only distinct communication links to distinct nodes of the project are selected to be restored.
6. (Canceled)
7. (Currently amended) The method according to claim 1, ~~whereby~~ wherein the storing of a current state of the input windows opened during operation of the process control system includes transmitting the input windows is transmitted to a handling software in an XML string.
8. (Currently amended) The method according to claim 1, further comprising querying ~~whereby a state of the input windows opened during operation of the process control system is queried and stored by conventional interface methods.~~
9. (Currently amended) The method according to claim 1, ~~whereby~~ wherein the project and the states of the elements of the project are stored in project files.
10. (Currently amended) The method according to claim 1, ~~whereby~~ wherein session information is stored in the project or references to the project including session information are stored.
11. (Currently amended) The method according to claim 1, further comprising verifying, ~~whereby upon opening the project, it is verified whether session information is present, and if present, a last present view of the project with all opened dialogs is restored and all connections of a last session are restored.~~

12. (Currently amended) The method according to claim 1, further comprising managing ~~whereby a session manager manages~~ a list of sessions and names of active sessions for each project and ~~stores the latter~~ storing the names of active sessions in a non-volatile project directory.
13. (Currently amended) The method according to claim 12, further comprising displaying ~~whereby the session manager offers~~ a dialog during loading of the project, in which the names of all available sessions for the project are offered for selection.
14. (Currently amended) A method, comprising: ~~for automatic modeling a process control system comprising at least one target apparatus, whereby~~
 arranging elements of a user interface ~~are arranged~~ in a tree structure reflecting a topography of the elements in ~~[[the]]~~ a process control system~~[[,]]~~;
 ~~whereby assigning each element is assigned to at least one input window having a plurality of attributes for setting and/or monitoring the~~ corresponding to a target apparatus controllable in the process control system~~[[,]]~~;
 ~~whereby storing, by a handling software, stores a current arrangement of the tree structure as a project~~[[,]];
 storing, by the handling software, a list of all windows and corresponding attributes opened during a current operation ~~as well as their attributes as an operating session, the attributes including at least one of a position and a communication status indicating one of an online status and an offline status of the user interface of the input window~~[[,]];
 ~~to restore~~ restoring a state of the elements based on the project and the operating session when loading the process control system again; and
 ~~whereby the input windows for setting and monitoring the target apparatus provided by the elements in the project serve for at least one of displaying values measured by the target apparatus in the input window, diagnosis of the target apparatus and parameterizing of the target apparatus.~~

15. (Currently amended) A system comprising a host PC ~~for loading a process control system~~ and at least one target apparatus connected to the host PC via a bus system, the host PC comprising a display displaying a ~~whereby the system is adapted to display the~~ process control system which comprises elements of a user interface in a form of a tree structure, ~~whereby the tree structure comprises~~ comprising nodes, each node providing at least one input window having a plurality of attributes ~~for setting and/or monitoring~~ corresponding to the target apparatus, the host PC further comprising assigned thereto, ~~whereby a memory of the system is adapted to store~~ storing an arrangement of the tree structure as a project, and a list of all windows and the corresponding attributes opened during operation ~~as well as their attributes~~ as an operating session, the operating session stored in the memory being automatically restored during reloading of the process control system on the host PC, [[:]]
~~whereby the each~~ input windows ~~for setting and monitoring the target apparatus provided by the elements in the project serve for at least one of displaying values measured by the target apparatus, diagnosis of the target apparatus and parameterizing of the target apparatus.~~

16. (Currently amended) The system according to claim 15, ~~whereby~~ wherein the memory ~~is adapted to stores~~ a position of the input windows.

17. (Currently amended) The system according to claim 15, ~~whereby~~ wherein the memory ~~is adapted to stores~~ a communication status indicating one of an online status and an offline status of the input window.

18. (Currently amended) The system according to claim 15, ~~whereby~~ wherein the memory ~~is adapted to stores~~ a state of the user interface associated to respective input windows.

19. (Currently amended) The system according to claim 15, ~~whereby~~ wherein the memory ~~is adapted to stores~~ several operating sessions for each project.

20. (Currently amended) The system according to claim 15, ~~whereby~~ wherein the system is adapted to be implementable permanently implemented in a frame application.

21. (Currently amended) The system according to claim 20, ~~whereby~~ wherein the system is adapted to be implementable implemented into the frame application as an add-in.

22. (Cancelled)

23. (Currently amended) The system according to claim 15, ~~whereby~~ wherein the input windows further display ~~are windows for~~ diagnosis messages.

24. (Previously Presented) The system according to claim 15, comprising a session manager.